

Product datasheet for **RC203849L4V**

GALNTL2 (GALNT15) (NM_054110) Human Tagged ORF Clone Lentiviral Particle

Product data:

Product Type:	Lentiviral Particles
Product Name:	GALNTL2 (GALNT15) (NM_054110) Human Tagged ORF Clone Lentiviral Particle
Symbol:	GALNTL2
Synonyms:	GALNACT15; GALNT7; GALNT13; GALNTL2; PIH5; pp-GalNAc-T15
Mammalian Cell Selection:	Puromycin
Vector:	pLenti-C-mGFP-P2A-Puro (PS100093)
Tag:	mGFP
ACCN:	NM_054110
ORF Size:	1917 bp
ORF Nucleotide Sequence:	The ORF insert of this clone is exactly the same as(RC203849).
OTI Disclaimer:	The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing variants is recommended prior to use. More info
OTI Annotation:	This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.
RefSeq:	NM_054110.2
RefSeq Size:	4641 bp
RefSeq ORF:	1920 bp
Locus ID:	117248
UniProt ID:	Q8N3T1
Cytogenetics:	3p25.1
Domains:	RICIN, Glycos_transf_2
Protein Families:	Transmembrane



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Protein Pathways: Metabolic pathways, O-Glycan biosynthesis

MW: 73.1 kDa

Gene Summary: Catalyzes the initial reaction in O-linked oligosaccharide biosynthesis, the transfer of an N-acetyl-D-galactosamine residue to a serine or threonine residue on the protein receptor. Although it displays a much weaker activity toward all substrates tested compared to GALNT2, it is able to transfer up to seven GalNAc residues to the Muc5AC peptide, suggesting that it can fill vicinal Thr/Ser residues in cooperation with other GALNT proteins. Prefers Muc1a as substrate.[UniProtKB/Swiss-Prot Function]